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PATENT

UNITED STATES PATENT AND TRADEMARK OFFICE

APPLICANTS: WOLKERSTORFER 2 PCT

SERIAL NO.: 10/517,012 PCT/AT03/00166

FILED: DECEMBER 7, 2004

FOR: ROLLER ARRANGEMENT FOR AN ACCUMULATING ROLLER CONVEYOR

2nd SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT

Mail Stop: AMENDMENT

Commissioner for Patents

P.O. Box 1450

Alexandria, VA. 22313-1450

Dear Sir:

With reference to the IDS filed on December 7, 2004,
Applicant is enclosing a copy of Form PTO-1449 and a discussion
of CH 607 975. It is respectfully requested that this
Supplemental Information Disclosure Statement be incorporated
into the patent file.

Respectfully submitted,
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Enclosures: Copy of PTO-form 1449
Summary of CH 607 950

I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail in an envelope addressed to: COMMISSIONER OF PATENTS, P.O. Box 1450, Alexandria, VA 22313-1450 on January 27, 2005.

Maria Guastella

Summary of the CH 607 950 A (Gisin)

The CH 607 950 A discloses an accumulating roller conveyor comprising a support frame and divided into a plurality of conveying zones. Each conveying zone has a plurality of roller arrangements for conveying piece goods along said conveying zones without contact and without accumulation pressure. The roller arrangement having an stationary axle (A) arranged in the support frame (23) and bearing a sprocket wheel (22), a ratchet wheel (27), a drivable roller (1) and a spring band coupling between the ratchet wheel (27) and the drivable roller (1). The drivable roller (1) is provided at its one end with a free-wheeling hub being arranged on the axle (A) having an outer bearing race (16) and an inner bearing race (18). The inner bearing race (18) is connected with a first sleeve (19) and a disc (20). A second sleeve (21) arranged co-axial to the first sleeve (19) and connected with the sprocket wheel (22). The drivable roller (1) is connected with the sprocket wheel (22) by the spring band coupling, whereby the spring band is arranged co-axial to both of the sleeves (19, 21) and lying against an outer surface of them. The first end (25) of the spring band coupling is secured at the free-wheeling hub und the second end (26) at the ratchet wheel (27). The ratchet wheel (27) is rotatable mounted at the periphery of the spring band and comprising at its outer periphery cams (28), which are able to engage with a pivoted lever (6) in such a manner that the pivoted lever (6) can block or release the rotation of the ratchet wheel (27). As soon as the ratchet wheel (27) is blocked by the pivoted lever (6), the pivoted lever (6) press against the second end (26) of the spring band. Thus the spring band is disengaged and both sleeves (19, 21) are disconnected and the inner bearing race (18) slowed by the first end (25) of spring band, during the outer bearing race (16), which is conneted with the roller (1), rotate until its standstill. Thus the movement of piece good is stopped in a conveying zone.

The CH-A does not disclose a ***self-adjusting setting device (47)***, by which the friction between the sleeves (19, 21) and the spring band can be raised depending on the weight of the piece goods transported by the roller (1) of roller arrangement.

FORM PTO-1449 (Modified) (REV. 7-80)		U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE		ATTY. DOCKET NO.: WOLKERSTORFER 2 PCT		SERIAL NO.: 10/517 012	
LIST OF REFERENCES CITED BY APPLICANT (Use several sheets if necessary)				APPLICANT: Christoph WOLKERSTORFER 2 PCT			
				FILING DATE: Dec. 7 2004		GROUP:	
U.S. PATENT DOCUMENTS							
EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	AC	2002/008007	1/2002	THOMAS			
	AB	4,063,636	12/1977	vom STEIN			
	AA	5 810 157	9/1998	NOLAN			
	AD						
	AE						
	AF						
	AG						
	AH						
	AI						
	AJ						
FOREIGN PATENT DOCUMENTS							
		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES NO
	AK	CH 607 975	12/1978	SWITZERLAND (enclosed)	Summary		
	AL	DE 37 20 609	1/1989	GERMANY			
	AM	DE 2 117 959	9/1972	GERMANY			
	AN	DE 2519374	11/1976	GERMANY			
	AO	EP 1 132 321	9/2001	EUROPEAN			
	AP	EP 0372 9854	6/1990	EUROPEAN			
OTHER REFERENCES (Including Author, Title, Date, Pertinent Pages, Etc.)							
	AR						
	AS						
	AT						
EXAMINER				DATE CONSIDERED			
*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant							

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